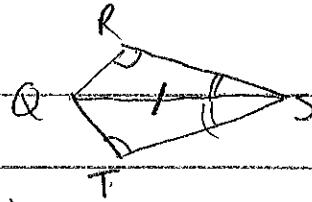


Suggested Review

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CHOOSE
3

6. ① \overline{QS} bisects $\angle RST$ ① Given
 $\angle R \cong \angle T$

- ② $\angle RSQ \cong \angle TSQ$ ② def of \angle Bis
③ $\overline{QS} \cong \overline{QS}$ ③ Refl
④ $\triangle QRS \cong \triangle QTS$ ④ AAS

10.

- ① $\overline{DE} \parallel \overline{JK}$ \overline{DK} bis. \overline{JE} ① Given

- ② $\overline{JG} \cong \overline{EG}$

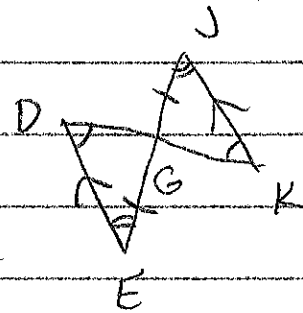
- ③ $\angle D \cong \angle K$

- $\angle E \cong \angle J$

- ④ $\triangle EGD \cong \triangle JGK$

- ④ AAS

(If you use vertical \angle s then could be ASA or AAS)



13.

- ① $\overline{MN} \cong \overline{PQ}$ $\angle M \cong \angle Q$ ① Given

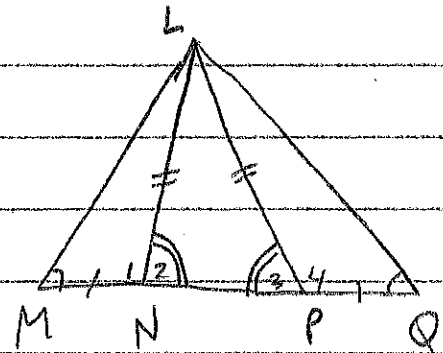
- $\angle 2 \cong \angle 3$

- ② $\overline{LP} \cong \overline{LN}$

- ② Conv. I Δ thm

- ③ $\triangle MLP \cong \triangle QLN$

- ③ AAS



You could also use $\overline{ML} \cong \overline{QL}$ through Conv. I Δ thm + step

③ is the same.

14. ① Z is midpt of \overline{CT} ① Given
 $\overline{CY} \parallel \overline{TE}$

② $\overline{CZ} \cong \overline{TZ}$

② Def of midpt

③ $\angle EYC \cong \angle YET$

③ If \parallel , alt int $\angle s \cong$

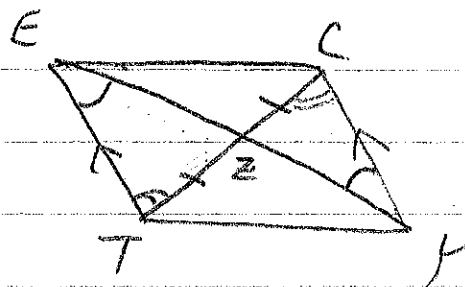
$\angle YCT \cong \angle ETC$

④ $\triangle CYZ \cong \triangle TEZ$

④ AAS

⑤ $\overline{YZ} \cong \overline{EZ}$

⑤ CPCTC



(You can use vertical $\angle s$ + possibly have ASA)

19. ① $\angle MYT \cong \angle NYT$ ① Given
 $\angle MYR \cong \angle NYT$

② $\angle RYM + \angle MYT$ are suppl.

② Suppl $\angle s$ are

$\angle RYN + \angle NYT$ are suppl.

③ $\angle RYM \cong \angle RYN$

③ Suppl. of $\cong s$ are \cong (A)

④ $\overline{RY} \cong \overline{RY}$

④ Reflexive (S)

⑤ $\overline{YT} \cong \overline{YT}$

⑤ Reflexive

⑥ $\triangle MYT \cong \triangle NYT$

⑥ ASA

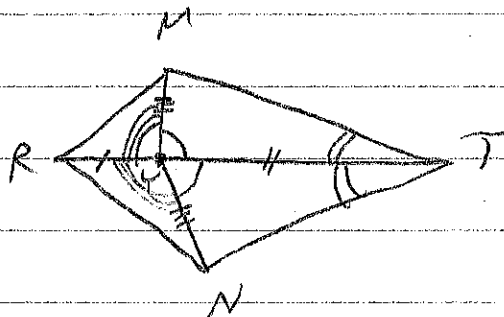
⑦ $\overline{MY} \cong \overline{NY}$

⑦ CPCTC

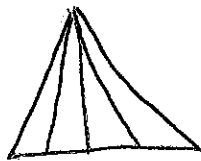
(S)

⑧ $\triangle RYM \cong \triangle RYN$

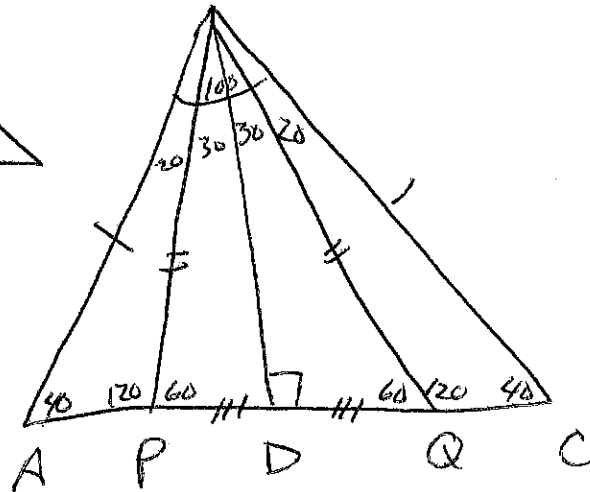
⑧ SAS



p228 9-15, ~~20~~, 22-28 p761-762 5-7 p785 10



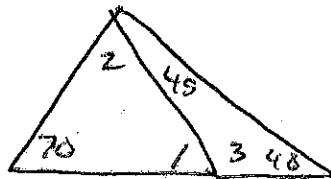
9. Obt. Isos
10. Right, Scalene
11. Equangular, Equilateral



12. $m\angle 1 = 85$

13. $m\angle 2 = 25$

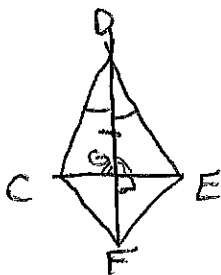
14. $m\angle 3 = 95$



15. $\triangle EFG \cong \triangle DCB$

$\angle E \cong \angle D$, $\angle F \cong \angle C$, $\angle G \cong \angle B$, $\overline{EF} \cong \overline{DC}$, $\overline{FG} \cong \overline{CB}$, $\overline{EG} \cong \overline{DB}$

Removed [28]



G: \overline{DF} bis. $\angle CDE$

$\overline{CE} \perp \overline{DF}$

P: $\triangle DGC \cong \triangle DGE$

① ~

① Given

② $\angle DGE + \angle DGC$ are Rt \angle s ② def \perp

③ $\angle DGE \cong \angle DGC$

③ Rt \angle s are \cong

④ $\angle CDG \cong \angle EDG$

④ Def \angle Bis

⑤ $\overline{DG} \cong \overline{DG}$

⑤ Reflexive

⑥ $\triangle DGC \cong \triangle DGE$

⑥ ASA

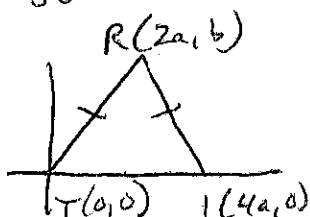
22 32

23 40

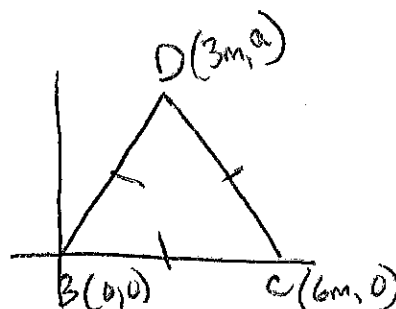
24 30

25 80

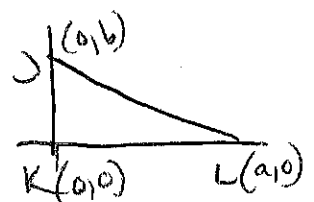
26.

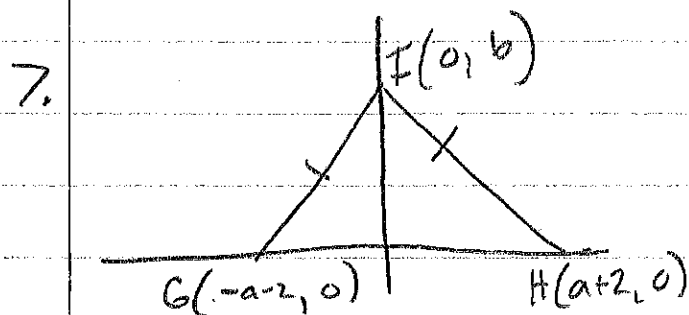
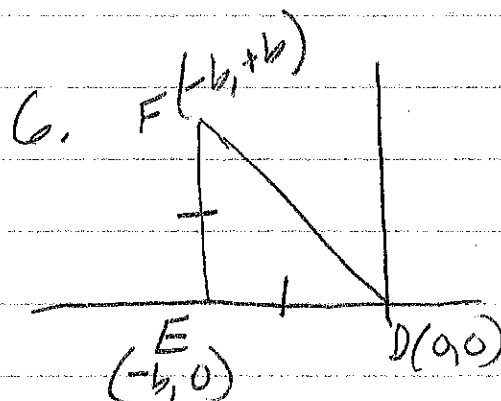
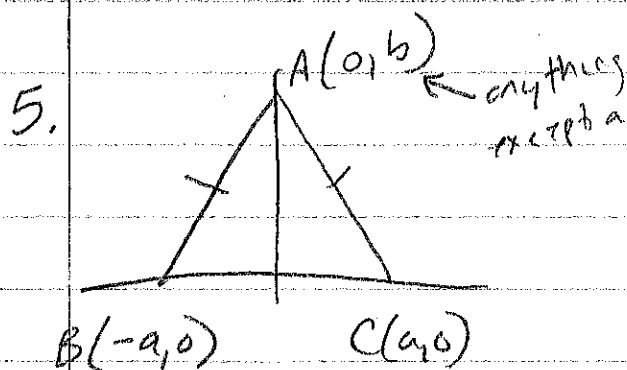
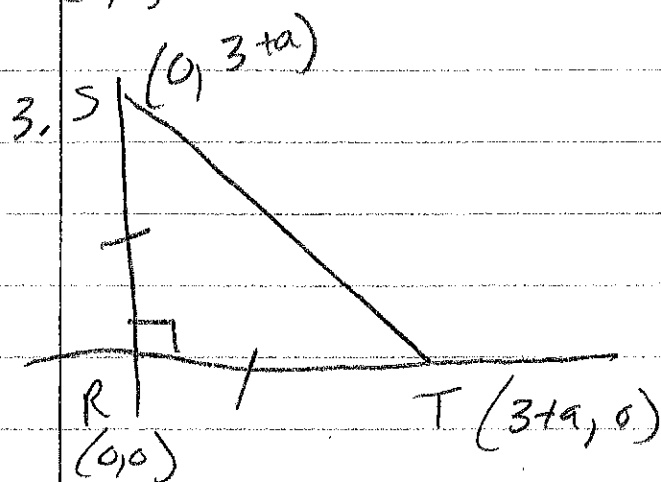
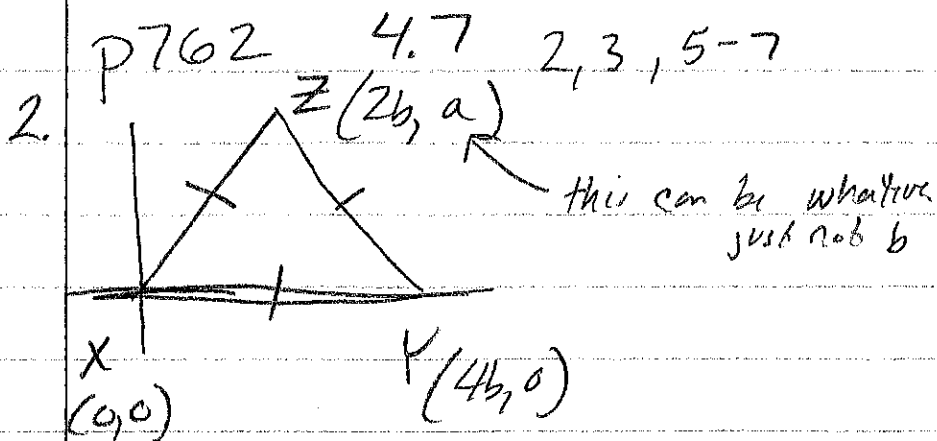


27.



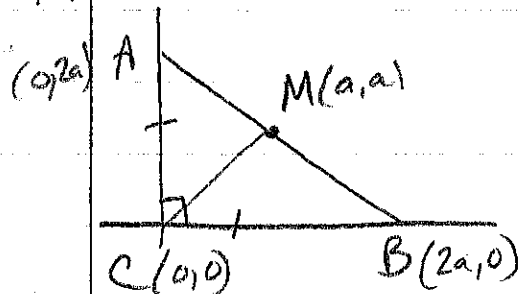
28.





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10.



Remember: On test
the picture is
provided

Prove: $\overline{CM} \perp \overline{AB}$

$$\overline{CM} \text{ m} = \frac{a-0}{a-0} = \frac{a}{a} = 1$$

$$\overline{AB} \text{ m} = \frac{0-2a}{2a-0} = \frac{-2a}{2a} = -1$$

$\overline{CM} \perp \overline{AB}$ b/c their slopes are opposite reciprocals